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RESULT 4
AAT27765

KW Alzheimer's disease; neuroectodermal tumour; malignant astrocytoma;
 KW monoclonal antibody; binding fragment; ds.
 XX Homo sapiens.

XX Key Location/Qualifiers
 XX CDS 14..1207
 XX /tag- a
 XX /product- Neural thread protein.

XX PN W09615272-A1.

XX PD 23-MAY-1996.

XX PF 14-NOV-1995; 95WO-US17111.

XX PR 14-NOV-1994; 94US-0340426.

XX PA (GEHO) GEN HOSPITAL CORP.

XX PI De LA MONTE S, Wands JR;

XX DR WPI; 1996-259865/26.

XX DR P-PSDB; AAR95913.

XX PT Detection of neural thread protein in diagnosis of Alzheimer's
 XX FT disease - also NTP DNA and protein sequences used in gene and
 XX FT anti-sense therapy

XX PS Claim 24; Page 168-170; 238pp; English.

XX CC A method for detecting the presence of neural thread protein (NTP)
 CC having a molecular weight of 8, 14, 17, 21, 26 or 42 kD in a human
 CC subject comprises (a) contacting a sample from a human subject that
 CC is suspected of containing the NTP with at least one molecule
 CC capable of binding to the protein; and (b) detecting any of the
 CC molecule bound to the protein. The binding molecule is selected
 CC from an antibody free of natural impurities, a monoclonal antibody
 CC or a binding fragment of either of these. The method may be used for
 CC diagnosing the presence of Alzheimer's disease, neuroectodermal
 CC tumours and a malignant astrocytoma in a human.

XX SQ Sequence 1418 BP; 302 A; 396 C; 315 G; 405 T; 0 other.

Query Match 84.8%; Score 1223.4; DB 17; Length 1418;
 Best Local Similarity 96.9%; Pred. No. 0;
 Matches 1375; Conservative 0; Mismatches 31; Indels 13; Gaps 12;

QY 2 TTTTATTTTTCAGATGGAGTTTTCGCTCTGTGTGCTCCAGGCTGGAGTGCATGGCGCAAT 61
 DB 1 TTTTATTTTTCAGATGGAGTTTTCGCTCTGTGTGCTCCAGGCTGGAGTGCATGGCGCAAT 60
 QY 62 CTCAGCTCACGGCAACCTCCGCTCCCGGTTCAAGCGATTCTCGCTCAGCCTCCCC 121
 DB 61 CTCAGCTCACGGCAACCTCCGCTCCCGGTTCAAGCGATTCTCGCTCAGCCTCCCC 120
 QY 122 AGTA-GCTGGGATTACAGGCATGTGCACCGCTCGGCTAATTTGTGATTTTATTTAG 180
 DB 121 AGTAGGCTGGATTACAGGCATGTGCACCGCTCGGCTAATTTGTGATTTTATTTAG 179
 QY 181 TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGTCTGGAATCCCGACCTCAGATGATC 240
 DB 180 TAGAGATGGAGTTTCTCCATGTTGGTTCAGGCTGTCTGGAATCCCGACCTCAGATGATC 238
 QY 241 CCTCCGCTCGGCTCCCAAGTCTAGATACAGAGTGGCCACCATGCCGG-CTCTGC 299
 DB 239 CTCCGCTCGGCTCCCAAGTCTAGATACAGAGTGGCCACCATGCCGGCTCTGC 298
 QY 300 CTGGCTAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCCAAGCTGTCTCTCGAG 359
 DB 299 CTGGCTAATTTTGTGTAGAAACAGGTTTCACTGATGTGCCCAAGCTGTCTCTCGAG 358
 QY 360 CTCAAGCAGTCCACCTTCGCTCAGCCTCCCAAGTGTGGGATTACAGCGGTGCAGCGTG 419

RESULT 3

DB 359 CTCAAGCAGTCCACCTGCTCCAGCTCCCAAGTGTGGGATTACAGCGCTGCAGCGTG 418
 QY 420 CTTGGCCTTTTATTTTATTTTATTTTAAAGACACAGAGTGTCCCACTCTTACCAGGATGA 479
 DB 419 CTTGGCCTTTTATTTTATTTTATTTTAAAGACACAGAGTGTCCCACTCTTACCAGGATGA 478
 QY 480 GTGCACTGGTGTGATCAGAGCTCAGTGCAGCCTTCAACTCTGAGATCAAGCATCTCTCT 539
 DB 479 GTGCACTGGTGTGATCAGAGCTCAGTGCAGCCTTCAACT-CTGAGATCAAGCATCTCTCT 537
 QY 540 GCCTCAGCCTCCC-AAGTAGCTGGACCAAGACATGCACCATACACCTTGGCTGAATTTT 598
 DB 538 GCCTCAGCCTCCCAGGATAGCTGGACCAAGACATGCACCATACACCTTGGCTGAATTTT 597
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 DB 598 TATTTTATTTTATTTTATTTTATTTTGAACAGAGTCTCAACTCTGTACCCAGGCTGGAGTGA 657
 QY 659 GTGGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCC 718
 DB 658 GTGGCGCAATCTTGGCTCACTGCAACCTCTGCTCCCGGTTCAAGTTATTTCTCTGCC 717
 QY 719 CAGCCTCCTGAGTAGCTGGAGTACAGGCGCCACACAGCCTAGCTAGTAAATTTTGTATT 778
 DB 718 CAGCCTCCTGAGTAGCTGGAGTACAGGCGCCACACAGCCTAGCTAGTAAATTTTGTATT 777
 QY 779 TTTAGTAGAGTGGG-TTCACCATGTTGCCAGGTTGAT-CTTGATCTCTGACCTTGT 836
 DB 778 TTTAGTAGAGTGGGTTTCAACATGTTGCCAGGTTGATGTAGATCTCTTACCTTGT 837
 QY 837 GATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGG-CGTGAGCACCACCGCCG 895
 DB 838 GATCTGCTGCTCGGCTCCCAAGTGTGGGATTACAGGAGTGTACGCGCCACCGCCG 897
 QY 896 GCTTATTTTATTTTATTTTATTTTGAATGGAATCTCACTCTGTACCAGGCTGGAGT 955
 DB 898 GCTTATTTTATTTTATTTTATTTTGAATGGAATCTCACTCTGTACCAGGCTGGAGT 957
 QY 956 GCAATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGGATTTCTCTG 1015
 DB 958 GCAATGGCCAAATCTCGGCTCACTGCAACCTCTGCTCCCGGCTCAAGGATTTCTCTG 1017
 QY 1016 TCTAGCCTCCCAAGCAGCTGGGATTACGGGCACTTCCACACACACCGCTAATTTTGG 1075
 DB 1018 TCTAGCCTCCCAAGCAGCTGGGATTACGGGCACTG-CACACACACCGCTAATTTTGG 1076
 QY 1076 TATTTTATTTAGAGCGGGGTTTACCATATTTTGTGAGGCTGGTCTCAAACTCTGACCT 1135
 DB 1077 TATTTTATTTAGAGCGGGGTTTACCATATTTTGTGAGGCTGGTCTCAAACTCTGACCT 1136
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 DB 1137 CAGGTGACCCACCTCGCTCAGCCTTCCAAAGTGTGGGATTACAGCGCTGAGCCACTCA 1194
 QY 1196 CCCAGCCGCTAATTTAGATAAAAAATATGTAGCAATGGGGGCTTCTCTATGTGGCC 1255
 DB 1195 CCCAGCCGCTAATTTAGATAAAAAATATGTAGCAATGGGGGCTTCTCTATGTGGCC 1254
 QY 1256 AGGCTGCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACCCAGCC 1315
 DB 1255 AGGCTGCTCAAACTTCTGGCTTCATGCAATCTTCCAAATGAGCCCAACACCCAGCC 1314
 QY 1316 AGTCACATTTTAAACAGTTACATCTTTTATTTAGTACTAGTAAAGTAAATACAAATA 1375
 DB 1315 AGTCACA-TTTTAAACAGTTACATCTTTTATTTAGTACTAGTAAAGTAAATACAAATA 1373
 QY 1376 CATGTCAAACTGCAAAATTCAGTAGTAACAGAGTCTTT 1414
 DB 1374 ATGGCGGAACCTGCAAAATTCAGTAGTAACAGAGTCTTT 1412